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The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), March 2004.

During the month of February, gasoline inventories remained tight while crude oil prices rose. The outlook for spring projects an additional gasoline price increases to a peak of \$1.83 per gallon. Summer (April to September) gas prices are expected to average around \$1.74 per gallon, which would be the highest inflation-adjusted summer average since 1985. The price increase is due to a combination of higher crude oil prices, low inventories, robust demand, and uncertainty of gasoline imports.

West Texas Intermediate prices in February averaged almost \$35 per barrel, exceeding January's average. Prices are expected to decline and plateau at \$30 per gallon for the remainder of the year. Modest oil prices are probable for 2005 as Iraqi oil production levels are regained.

Natural gas underground storage facilities reported above-average withdrawals for February which resulted in storage levels about 13 percent below the five-year average. However, storage levels are 34 percent greater than last year. Prices are likely to remain consistently at \$5.00 per thousand cubic feet this year.

WHAT'S NEW ON THE FEMP WEB SITE

A recently redesigned FEMP web site was launched in March. The new look is consistent with the Office of Energy Efficiency and Renewable Energy's (EERE) communications standards, which means FEMP will have the same corporate image as other EERE programs. The new web site uses Cold Fusion (CFM) to allow for a more dynamic site. Some of your FEMP bookmarks may have changed with the switch. See the new look at www.eere.energy.gov/femp.

Federal Award and Federal Energy Showcase Award nominations are due May 14. These awards honor outstanding performance in saving energy at Federal facilities. Visit www.eere.energy.gov/femp/services/awards.cfm for more information.

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Refer to [Appendix A](#) for the Congressional Calendar of Events. Congress is scheduled to recess for the Easter and Passover Holidays beginning April 3 and returning on April 20.

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Comprehensive Energy Legislation To date, the Senate has yet to schedule floor consideration of *S. 2095 – Energy Policy Act of 2003*, the revised Senate bill. Republican and Democratic Senate leaders have yet to resolve the issue over a limitation on the number of amendments that can be attached to the bill. Pete Domenici (R/NM), Chair of the Committee on Energy and Natural Resources and the bill's sponsor and Majority Leader Bill Frist (R/TN) have been working with Minority Leader Tom Daschle (D/SD) to obtain an agreement on the number of amendments that can be introduced on the floor. ***It has been reported that Chairman Domenici believes he now has more than the 60 votes necessary to overcome a filibuster of his revised bill. While Majority Leader Frist may not schedule a Senate floor debate for another month, he is expected to allocate only three to four days to discuss the bill.*** During the past week, the following actions were taken with respect to pending comprehensive energy legislation:

- House Majority Leader Tom DeLay (R/TX) formed an 18-member "energy action team" to encourage Senate Democrats to support the *H.R. 6* conference report, which was passed last year. The team will be led by two Republican leaders, Joe Barton (R/TX), Chair of the Committee on Energy and Commerce and Richard Pombo (R/CA), Chair of the Committee on Resources.
- Rising oil and natural gas prices has stimulated a spirited debate among Congressional Republicans and Democrats. Republicans have criticized Democrats for the failure to pass comprehensive energy legislation and Democrats have called on the Administration to stop filling the Strategic Petroleum Reserve (SPR) and to use the oil scheduled SPR storage for distribution on the

DID YOU KNOW?

Energy Hog Campaign – In March, DOE introduced a new promotional campaign to educate children and their parents on energy efficient behavior. Produced in collaboration with the Advertising Council and Energy Outreach Colorado, in addition to 19 other state energy offices and corporate sponsors, the campaign features “Energy Hog”, an energy wasting cartoon character whose home is plagued with inefficient appliances. The campaign features a website, www.energyhog.org, which the public can access and, through a series of games, learn how to use energy more efficiently. DOE Secretary Spencer Abraham said, “The Energy Efficiency Campaign will raise public awareness of the benefits of making smart energy choices at home...By developing an appreciation for energy efficiency at an early age, children are able to make smart energy choices and encourage their parents to do the same.” The initiative is part of DOE’s Smart Energy public awareness campaign that was launched in July 2003, to assist the public in adopting energy efficient practices.

ENERGYSTAR® – A survey conducted by the Consortium for Energy Efficiency revealed that 56 percent of U.S. households are aware of the ENERGYSTAR® Label, a 15 percent increase in awareness over prior years. In addition, consumers who live in areas where their utility promotes the use of ENERGYSTAR®, 67 percent of consumers are aware of the energy efficiency label. The survey also found that 20 percent of U.S. households purchased an ENERGYSTAR® product within the past year, and more than half of those households stated that they may recommend the ENERGYSTAR® appliance to friends. The Environmental Protection Agency reports that in 2003, savings from ENERGYSTAR® certified appliances amounted to a cost savings of \$9 billion, resulted in the avoidance of greenhouse gas equivalent to those produced by 18 million cars, and saved enough power to provide power 20 million homes. (Source: *Environment News Service*, March 15, 2004)

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open market to help bring the price of gasoline down. Secretary of Energy Spencer Abraham, speaking for the Administration, responded that such an action would result in the “manipulation” of domestic gasoline prices. Nevertheless, a bipartisan group of 53 House members signed a letter sent to the President asking him to suspend filling of SPR until gasoline prices drop to a more reasonable level.

- Chairman Domenici issued a prepared statement on the Senate floor urging Democrats to limit the number of amendments they plan to introduce to the Chairman’s revised energy bill, *S. 2095*. He said in part:

Let’s take these high prices seriously, roll up our sleeves and get to work on this energy bill. If senators don’t like some of it, bring me some serious amendments. But let’s bring a finite number of meaningful amendments to the table. Let’s not swamp this bill with the threat of hundreds of amendments, many of them having nothing to do with energy.

- Democrats are expected to introduce an unspecified number of amendments once the bill reaches the Senate floor. Issues to be addressed in the amendments will reportedly include a proposed renewable portfolio standard, electricity, and climate change, among other topics.

Refer to

www.eere.energy.gov/femp/newsevents/congress_initiatives.cfm - Legislative Databases for the status of pending energy-related legislation.

FY 2005 BUDGET RESOLUTION

Last week, the House passed an \$820 billion, non-binding *FY 2005 Budget Resolution (H Con. Res. 393)*. The House and Senate are expected to go to conference this week to negotiate a final resolution based on their respective versions of the annual budget resolution. The Senate passed its version, *S. Con. Res. 95*, on March 12, calling for an FY 2005 budget cap of \$824. Potentially contentious issues for the conference committee to negotiate include the \$3 billion difference in the funding cap and tax-related provisions.

FY 2005 APPROPRIATIONS

Last week, Ted Stevens (R/AK), Chair of the Senate Committee on Appropriations reiterated a prediction he made earlier in the year that it will be very difficult to pass FY 2005 appropriations bills before Congress adjourns in early October. With less than 50 legislative days left in the Congressional year, several planned recesses, including the month-long summer recess and Democratic and Republican conventions, Congress will be hard pressed to pass the annual appropriations bills. Early this year, Chairman Stevens predicted that Congress would pass three annual bills: Defense, Homeland Security, and Military Construction and speculated that perhaps Energy and Water Development may also pass. However, now he suggests that all 13 annual appropriation bills will most likely be extended under a continuing resolution.

NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

Refer to [Appendix B](#) for New Legislative Initiatives of Interest to FEMP

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FEDERAL AGENCY ACTIVITIES

DEPARTMENT OF DEFENSE (DOD)

Base Realignment and Closures (BRAC) Prospects for additional base closures in FY 2005 remains a controversial issue in Congress. Some members are pressing the Administration to wait until FY 2007, but the Department of Defense, in recent testimony before the House Committee on Armed Services stated that proceeding with the next round in FY 2005 will benefit and not hinder the Administration's war on terrorism. The environmental clean up costs for closing military bases draws funds from military activities, according to critics of the proposed base closures. To date, a total of 55 major bases have been realigned and 97 major bases have been closed along with the realignment and closure of an additional 235 minor bases resulting in a savings of \$38.5 billion. The overall cost to date of the BRAC program is \$22 billion.

DEPARTMENT OF ENERGY (DOE)

National Laboratory Activities

National Renewable Energy Laboratory (NREL) The University of Colorado at Denver honored NREL with a Distinguished Service Award from the Wirth Chair in Environmental and Community Development Policy. NREL received the recognition for the laboratory's role over the last 27 years in renewable energy and energy efficiency research and development. Director, Richard Truly, who accepted on behalf of NREL said, "I am proud to accept this honor on behalf of the scientists, engineers and support staff at the Laboratory... Our mission and that of the Wirth Chair go hand in hand - to improve the world's environmental health." The award was established in 1993 to honor organizations for their work in developing effective sustainable initiatives.

National Renewable Energy Laboratory In a recent *Commerce Business Daily* announcement, NREL described the laboratory's interest in identifying companies interested in receiving licenses to commercialize and market DOE's ENERGY10 (version 17) software package. ENERGY-10 was designed for use by architects and building designers as an aide in the design of low-energy buildings

with superior indoor environments. For further information, contact Carol Meyer at 303-275-4269 and refer to Solicitation Number E10b.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

No activities of interest to report.

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

Interconnection Rule Reaffirmed On March 3, FERC reaffirmed its July 2003 rule - Order No. 2003, established in July 2003, which establishes standard agreements and procedures for interconnecting generators larger than 20 MW to the electricity grid. Specifically, Order No. 2003 requires 176 investor-owned public utilities to offer non-discriminatory interconnection service, but allows the transmission provider to retain the option to charge customers a transmission rate to cover the cost of network upgrades. The rule is intended to stimulate a more competitive power market and strengthen and increase transmission network reliability. FERC also includes two caveats to the ruling:

- A transmission provider is no longer required to provide credits to interconnection customers for transmission delivery services; instead, credits are provided only for the transmission delivery service taken by the interconnecting generating facility.
- A transmission provider may choose, five years from the commercial operation date of the generating facility, whether to reimburse the interconnection customer at that time for any remaining balance of the cost of financing network upgrades and accrued interest, or continue to provide credits beyond five years until no balance remains.

FERC is developing a similar rule to apply to generators smaller than 20 MW. For further information, visit www.ferc.gov.

New England Regional Transmission Organization Established On March 24, FERC awarded the ISO New England (ISO-NE) and several New England transmission owners (NEPOOL) with regional transmission organization (RTO) status. New England Transmission owners include Bangor Hydro Electric Company, Central Maine Power Company, NSTAR Electric & Gas Corporation, New England Power Company, Northeast Utilities Service Company, The United Illuminating Company, and Vermont Electric Power Company. FERC Chairman Pat Wood said, "This RTO filing reflects extensive and difficult discussions... The New England region shares a long history of voluntary commitment to regional power markets. Although agreement could not be reached on every issue, the parties achieved fundamental consensus on a commitment to form a single RTO that builds on the platform set in place by the New England Power Pool and ISO-NE. The evolution from a power pool to an ISO and now an RTO is a positive step and will help strengthen the markets and improve reliability in this, as well as in its neighboring regions." NEPOOL is comprised of transmission and generation owners, publicly-owned entities, among other organizations in the states of Connecticut, New Hampshire, Vermont, Rhode Island, and parts of Maine. ISO-NE works in collaboration with NEPOOL to provide open access services. The new RTO-NE will be governed by a non-stakeholder, independent board. For more information, visit www.ferc.gov.

U.S. - Canadian Power Outage Task Force The task force was originally scheduled to release its final report on the cause of the August 2003 black out by March 29. However, the task force is conducting a final review of the report, which will also include recommendations to prevent further power outages, and expects to release the report during the week of April 5, 2004.

ATLANTA REGION

No new activities of interest to report.

BOSTON REGION

No new activities of interest to report.

CHICAGO REGION

No new activities of interest to report.

DENVER REGION

No new activities of interest to report.

PHILADELPHIA REGION

No new activities of interest to report.

SEATTLE REGION

No new activities of interest to report.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL ANNOUNCEMENTS

No news of interest to report.

ATLANTA REGION

No news of interest to report.

BOSTON REGION

► General State Activities

Cranmore Mountain Resort in New Hampshire, is the first eastern ski resort to start using B20 (20 percent biodiesel) in all its snow-grooming machines and some of its vehicles. Each month, the resort uses 5,000 gallons of the B20 fuel provided by World Energy of Chelsea, Massachusetts. The project is a result of a collaboration between Cranmore, the New Hampshire Department of Environmental Services, and the Granite State Clean Cities Coalition. (Source: *Clean Cities*, March 2004)

A study conducted by GE Energy's Power Systems Energy Consulting group for the New York State Energy Research and Development Authority (NYSERDA) and the New York Independent System Operator (NYISO) revealed that New York State's power grid has the potential to ascertain up to 3,300 MW of wind-derived renewable energy in addition to the 50 MW already installed. The first phase of a two-phase study reveals that the addition of power generated by wind would have no "significant adverse impacts on the planning, operations and reliability of the bulk power system, provided that appropriate wind farm requirements and operations practices are adopted when needed." The second phase of the study, which will be released by the end of 2004, will evaluate wind generation's impact on the operations and procedures of the state's power system. The final report will also include an assessment of wind power's impact on the deregulated energy market and recommendations on how to prepare the power system for the added power. (Source: *SolarAccess.com*, March 10, 2004)

A report released by the New York Public Service Commission (PSC) revealed that the August 2003, blackout was not caused by New York utilities. PUC Chairman William Flynn said, "There is no evidence of any significant failure in the operations of New York's electric system...Our report supports earlier findings that there was no warning to New York utilities or the NYISO as to the magnitude of the problems originating in the Midwest that might have allowed them to take actions to prevent or minimize the impact on New York's electric system." The report concluded that electric, telecommunications, natural gas, and water systems operated adequately during the blackout. Other findings in the report include:

- New York operates under mandatory, and more stringent, reliability rules and standards than those required by NERC. New York supports mandatory, national reliability standards.
- Initial findings of the U.S.-Canada Task Force reveal that New York is in compliance with NERC and regional reliability standards for the handling of voltage control, communications, system monitoring and control, emergency action plans, training, and transmission right-of-way vegetation management.
- Total restoration of electric service in New York was accomplished in 30 hours. Stakeholders must review, update, and modify restoration plans based on lessons learned from the blackout.
- Stakeholders should consider back-up power for electronic devices, improved communications capabilities for security personnel, enhanced computer-based identification systems, among other system enhancements.
- Con Edison should conduct studies and develop procedures to avoid a steam system shutdown and/or facilitate the return to normal steam system operations following an electric blackout.
- New York utilities and regulators have aggressively applied lessons learned from previous blackouts. Nearly 100 recommendations from the 1977 blackout were implemented by the PSC.

Within the next few months, a final report will be issued by the PSC. The report will include a more detailed description of procedures that were taken to restore power after the blackout, an assessment of the state's ability to endure external power surges, and methods on how to prevent future blackouts. To view the initial report, visit PSC's Web site at www.dps.state.ny.us and scroll to the "What's New" section.

The Long Island Power Authority (LIPA) has proposed a Green Choice Program to promote the sale and delivery of electricity generated from renewable energy resources. Richard Kessel of LIPA said, "LIPA's Green Choice Program is a step forward in providing customers with a green power option that will help encourage the development and sale of more renewable energy technologies in New York State." The New York State Public Service Commission and the New York Independent System Operator have established an Environmental Disclosure Program to measure the environmental attributes of electricity produced from renewable sources. Marketers selling renewable power to retail electric customers can offer power in increments of 100, 75, 50 or 25 percent. Companies can also offer an energy block service option whereby a green marketer provides customers the renewable energy options in blocks. For more information on the proposed Green Choice program, visit www.lipower.org.

CHICAGO REGION

► General State Activities

A task force responsible for assessing state initiatives for renewable energy and energy efficiency and assembled by Wisconsin Governor Jim Doyle (D), has expressed support for a bill that was introduced in the legislature in March to require state agencies to purchase at least ten percent of their electricity from renewable sources by 2006, and at least 20 percent by 2010. The bill, which has bipartisan support, will not be debated this year due to its late introduction in the legislative session, but Governor Doyle recently signed a bill that will preclude consumers from paying the cost of environmental upgrades to power plants. Utilities serving consumers in the state support the bill and have planned to increase their offering of energy derived from wind and other renewable sources. We Energies

will construct three wind farms to generate 214 MW of electricity by the end of 2005, and other projects will be constructed by Wisconsin Public Power Inc., Madison Gas & Electric and Alliant Energy Corp. Jeff Anthony of We Energies said, "Many other states have had good success with the state government setting the pace." (Source: *Milwaukee Journal Sentinel*, March 15, 2004)

On February 1, 2004, Wisconsin's new electric interconnection standards became law. As a result of improved technological performance and growing customer interest in distributed generation systems, the interconnection rules were revised. The revised rules establish four categories of DG facilities:

- Category 1: 20 kW or less
- Category 2: Greater than 20 kW to 200 kW
- Category 3: Greater than 200 kW to 1 MW
- Category 4: Greater than 1 MW to 15 MW

The rules will apply to all public utilities and will govern new DG systems up to 15 MW that are operating in conjunction with electric utilities. Utilities will now be required to conduct engineering reviews, submit a site plan, and accept technical, legal, and financial obligations prior to interconnecting with the grid. Larry Krom of Focus on Energy said, "These rules will ease a significant implementation barrier to distributed generation and will lay a foundation to foster future improvements to support the functioning of the electric power distribution grid in Wisconsin." Michael Vickerman of RENEW Wisconsin also supported the new rules. He said, "Under the old rules, installers and system owners often found themselves flying blind when dealing with their local utilities... With the new rules, prospective customer-generators will know going into the interconnection process what their obligations are and how long the application review will last." For more information on the interconnection rules, contact Paul Helgeson at paul.helgeson@psc.state.wi.us or (608) 266-3905.

The Illinois Clean Energy Community Foundation has revised its state grant program for nonprofit organizations and local and state government agencies for the installation of solar, wind, biomass, fuel cells, and energy efficiency technologies and programs. The grant program, which was established in 2001, provides funds on a rolling review process (no deadline) for 2004. The following guidelines must be observed in applying for a grant:

- Photovoltaic projects are funded at \$2,000 per kW, with a maximum system capacity of 50 kW.
- Small wind projects are funded at \$500 per kW, with a maximum system capacity of 20 kW.
- No more than 80 percent of the project's total cost will be provided by the ICECF and by government renewable energy funds.

(Source: *Illinois Clean Energy Community Foundation website*, www.illinoiscleanenergy.org/programs/overview.htm)

DENVER REGION

➤ *General State Activities*

The Colorado legislature is considering H.B. 1273, which requires utilities Xcel Energy and Aquila to provide at least 50 MW of power derived from renewable sources by 2005, and increase the amount to 1,800 MW by 2020. In addition, the bill establishes a credit training system and transmission provision to protect consumers from cost fluctuations. Xcel and Aquila support the bill, as well as the Rocky Mountain Farmers Union and the Colorado Farm Bureau. The legislation could promote rural economic development. (Source: *PRNewswire*, March 3, 2004)

Members of the Wind Working Group in Montana called for the state to be more aggressive in developing and marketing power derived from wind. The group, comprised of energy experts and

several state energy officials, agreed that the state must better coordinate an energy policy. According to Paul Williamson of the University of Montana-Missoula, "There is nobody in Montana (state government) who knows what's going on with energy as a whole... The perception out there is that Montana is a sleeper." He called for the creation of an energy czar to identify long-term goals in wind energy development. Mark Lindberg, an energy and agricultural policy adviser to Governor Judy Martz, pointed out that regional energy forecasts reveal that wind is one of the most likely new sources of energy in the northwest and data has proven that Montana has an abundant supply. (Source: *Tribune Capitol Bureau*)

Three bills signed in March by New Mexico Governor Bill Richardson (D) provide consumers with tax exemptions for the purchase of hybrid cars (S.B. 86), clean energy grants (H.B. 251), and a higher percentage of energy derived from renewable sources (S.B. 43). S.B. 43 – the *Renewable Energy Act* directs public utilities to incorporate five percent renewable-derived fuel into their resource mix by 2006; the amount will increase by one percent each year until 2011, and maintain at 10 percent thereafter. To read the text of all three bills, visit <http://legis.state.nm.us/newsite/BillFinder.asp> and enter the bill numbers.

Residential and commercial purchasers of geothermal heat pumps, solar thermal electric, passive solar space heat, solar water heat, wind, photovoltaics in North Dakota are eligible to receive a personal tax credit of three percent during the year of installation and for the four consecutive years thereafter, to cover the cost of equipment and installation (15 percent limit). The program expires on January 1, 2011. (Source: *North Dakota Department of Commerce website*, www.state.nd.us/dcs/Doc/energy.pdf)

PHILADELPHIA REGION

► General State Activities

Virginia Governor Mark Warner (D) signed SB 651; the new law extends until December 31, 2010, capped electricity rates for incumbent electric utilities. In addition, the law also authorizes investor-owned power distributors the right to petition the State Corporation Commission to construct a coal-fired electric generation facility and to recover the costs for the facility through default service rates. (Source: *Power Market Today*, March 12, 2004)

A bill encouraging the use of clean energy sources introduced by the State of Maryland's House of Representatives Speaker Michael Busch (D) has met opposition from Governor Robert Erlich (R) who claims that the bill would raise consumer electric rates. The legislation would require utilities to impose a renewable portfolio standard by increasing the amount of renewable-derived power in their resource mix between 2006 and 2019. Supporters of the bill say that it would encourage outside investment in the state in the form of wind farms in rural areas. Representative Kumar Barve (D) said, "We're giving an incentive for investors to invest what will probably be billions of dollars in the state of Maryland." (Source: *Philadelphia Sun*, March 3, 2004)

The Pennsylvania Public Utility Commission (PUC) will hold several roundtable meetings to discuss the responsibility of electric distribution companies to provide default service to customers who do not choose an alternative supplier, as stipulated in the state's electric competition law. The practice, which establishes the default supplier as a provider of last resort is, according to PUC Commissioner Glen Thomas, "essential to ensure the availability of universal electric service in the Commonwealth." He also said, "[There is] an immediate need for the Commission to provide guidance on default service in order to establish a level of regulatory certainty for our retail electric markets and thus continue the benefits of competition for Pennsylvania consumers." (Source: *Power Market Today*, March 5, 2004)

The Pennsylvania Department of Environmental Protection (DEP) will provide \$5 million in state Energy Harvest grants to 32 organizations, six of which will use funds to develop small wind

turbine projects. The grants will create \$13 million more in private funds to promote advanced energy technologies. DEP received 39 applications totaling \$45 million in requests that would generate \$96 million in private investment. Kathleen McGinty, Secretary of Environmental Protection said, "This first year is a wonderful success, with projects that capitalize on advanced energy technologies to transform environmental challenges into economic opportunities while having a measurable impact on pollution prevention." Pennsylvania Governor Edward Rendell (D) will expand by \$80 million over the next four years, the Pennsylvania Energy Harvest initiative to encourage clean and renewable energy projects. Ms. McGinty spoke of the future of the program, noting, "This is just the start...By investing in Pennsylvania's energy future and the future of clean and renewable energy, the Commonwealth will continue to attract new investments that will add another promising dimension to communities hardest hit by economic downturns, especially in the coal regions and rural Pennsylvania." (Source: *Pennsylvania Department of Environmental Quality website*, www.dep.state.pa.us)

SEATTLE REGION

► *General State Activities*

Legislation has been introduced in both the California Assembly and Senate to abolish the California Power Authority (CPA). The bills were introduced as part of a campaign pledge made by Governor Arnold Schwarzenegger (R) and were outlined in his FY 2004-2005 budget proposal. An analysis conducted by the non-partisan Legislative Analysts Office reveals that some parts of CPA may be assumed by other agencies and CPA's bonding authorization and demand reserve partnership program should be preserved. The report reads in part, "We think CPA's broad authority to finance power plants to supplement private and public sector power supplies, if needed, using its revenue bonding authority (of up to \$5 billion), remains valuable." (Source: *Power Market Today*, March 9, 2004)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

► *Restructuring Activities*

Data suggests that electric utilities are building their own power plants to fulfill their generation needs rather than depending on the unregulated and volatile wholesale trade. Steve Brash of Cinergy said, "We needed to get up to a more reasonable level so for (peak usage) requirements we're not dependent on the mercy of the market." The trend, driven in part by the California power shortages of 2000-2001, may create problems for the merchant power providers who rely on an upswing of wholesale power markets. Craig Pirrong, of the University of Houston said, "It appears to be a confirming signal about the poor prospects for the merchant sector in the future." The trend has appeared despite a power glut in recent years as merchant power plants have been built to assume some of Enron's former market share. (Source: *Reuters Power News*, March 2, 2004)

The World Wildlife Fund's new PowerSwitch! Challenge campaign honored five utilities for their commitment to reduce CO2 emissions and accomplish one or more of the following: incorporate 20 percent renewables into their resource mix for electricity by 2020, increase energy efficiency by 15 percent by 2020, or retire 50 percent of their coal generation by 2020. The utilities and their pledges include:

- Austin Energy and Burlington Electric Department have pledged to generate 20 percent of their electricity using renewable sources of energy and increase energy efficiency by 15 percent by 2020.

- FPL Group, Inc., will increase energy efficiency by promoting demand side management projects and improving energy efficiency by 15 percent in its power generation facilities.
- The Sacramento Municipal Utility District committed to generating 20 percent of the electricity it sells from renewable energy sources.
- Waverly Light and Power of Iowa will increase its energy efficiency by 15 percent by 2020.

► *Public Benefits*

A new energy data management tool is available to utilities to help target and forecast power needs. The SummerPeak tool, developed by MeterSmart, L.P. is a six-month load research package that collects real-time data on customer energy usage and presents the data in a web presentation and produces interim and final reports. Joe Polaski of MeterSmart said, "Today we're giving utilities the core data they need in affordable bite- sized chunks...Reducing the time and cost to get those highly-focused results is what's important to our customers - and therefore it's what is important to us." MeterSmart also offers a WinterPeak™ package. For more information, contact MeterSmart at 800-520- 7773.

ATLANTA REGION

► *Restructuring Activities*

Entergy has created a new website called ENSIGHT that will educate consumers on how to estimate electricity usage and how to better manage their electric costs. ENSIGHT has a lighting calculator that allows people to estimate how much electricity they could save by using compact fluorescent light bulbs and instructions on how to read an electric meter. Chris Allen of Entergy said, "It takes only about five minutes and you get great information... It gives you hard data and it allows you to compare what your costs are to what they would be if you made some adjustments - such as changing your thermostat setting." To access the website, visit www.entergy-ensight.com.

BOSTON REGION

► *Restructuring Activities*

Massachusetts Representative Daniel Bosley (D/North Adams) will introduce a bill to replace the current *Electricity Deregulation Act*, which was passed in 1997. Massachusetts residents currently pay a standard offer price for their electricity, which is set by the state in order to insulate customers from severe market fluctuations. The standard offer price will expire in March of 2005, which could leave customers without a choice paying higher prices for their electricity. Mr. Bosley said, "I've been pushing back the deadline (for a new bill to be filed) so that we can figure out where we are... We're trying to do something to jump-start competition for the 2.1 million residential customers." The bill would allow aggregated purchases of electricity to be sold in auction to consumers. Power companies, such as NStar, Massachusetts Electric, and Western Massachusetts Electric may oppose the bill. Neal Costello, an attorney representing competitive energy retailers said, "If you are an incumbent utility, it's like going through life without any competition. It's like being tenured... They are of the old time utility mindset." (Source: *The Sun* (Lowell, Massachusetts), March 8, 2004)

CHICAGO REGION

► *Restructuring Activities*

The Idaho Public Utilities Commission is considering a proposal by Idaho Power Company for the 20-year purchase of wind power from a nine MW wind farm in Montana. The utility has requested approval to recover the costs of the renewable power from consumers. If the proposal is approved, the

purchase would be the first renewable energy purchase by the utility. (Source: *Idaho Public Utilities Commission website*, www.puc.state.id.us)

The Ohio Public Utilities Commission heard from FirstEnergy Corporation at a hearing in early March stating that the utility will improve personnel training and upgrade computer technology in order to prevent a blackout similar to the one that occurred in August 2003. The company has ordered the vendor to correct the flaw and has ordered a \$10 million replacement computer system to be installed by June 1 that will include redundancies as emergency backups. Although FirstEnergy denies that it was the sole cause of the blackout, it did offer several plans for corrective action including:

- Install large-screen projection systems in control centers for more effective monitoring.
- Implement a more formalized staff training program, to include computer simulations.
- Hire additional trainers.

(Source: *The Blade* (Toledo, Ohio), March 3, 2004)

Under the auspice of a resource conservation plan filed with the Michigan Public Service Commission recently, Consumers Energy Company will submit a request for proposals for the construction of new wind power generation projects. The proposal stipulates that the utility will sign power purchase agreements with wind generation developers; the utility will provide \$5 million annually for the projects. According to the application, the plan is “designed to provide natural gas conservation and supply security for Michigan customers, encourage additional renewable generation resources in Michigan.” (Source: *NGI's Power Market Today*, February 23, 2004)

► *Public Benefits*

Ameren introduced a web-based energy efficiency program designed to educate consumers on how to reduce energy usage, compare monthly usage, analyze bills, and calculate energy and cost savings potential of energy efficient appliances. The \$1 million Energy Savings Toolkit also includes an Energy Savings Tips Library which contains information on how to weatherize a home and tips on selecting heating and cooling systems. Another feature of the website is the ENERGYsmart University, where consumers can learn the history of the energy industry, energy safety, among other issues. David Whiteley of Ameren, said, "We expect the toolkit to educate and provide customers with a range of options and a sense of control over their energy bills." To access the site, visit www.ameren.com. (Source: *PRNewswire*, March 1, 2004)

DENVER REGION

► *Restructuring Activities*

The National Renewable Energy Laboratory (NREL) has ranked Xcel's Windsource program as having the largest number of participants of all green pricing programs in the U.S. with a total of 43,039 participants. The Los Angeles Department of Water and Power has the second largest number of participants with 37,386. According to the survey, Austin Energy is the largest renewables producer with 289 million kWh of electricity generated from wind and landfill gas. (Source: *The Denver Post*, March 9, 2004)

The Texas Public Utility Commission has enacted a new rule that bans electricity market manipulation, establishes the Electric Reliability Council of Texas (ERCOT) as the observer of the Texas electric market, while maintaining the PUC as system regulator. Terry Hadley of the PUC said, "The rules clarify everybody's role and responsibility in an evolving market." Texas is the only state that has a contained energy grid; the grid is operated by generators and utilities comprising ERCOT. The new rules prohibit the creation of artificial congestion on the grid; collusion among several companies to

manipulate the supply or price of electricity or withholding it; offering electricity when it cannot be delivered; among other things. (Source: *Star-Telegram*, February 23, 2004)

Arizona utility APS has completed construction of a \$4 million biomass plant located just outside of Phoenix that will help the utility meet state requirements for a renewable portfolio standard. The plant, operated by Western Renewable Energy, will provide power for 3,000 homes and businesses. Arizona's renewable portfolio standard requires that by 2007, utilities incorporate 1.1 percent renewable power into their resource mix. (Source: *SolarAccess.com*, February 23, 2004)

PHILADELPHIA REGION

No new activities to report.

SEATTLE REGION

► Restructuring Activities

San Diego Gas & Electric will purchase 22 MW of power from a wind farm in the San Geronio Pass near Palm Springs. Mountain View III, which was constructed by SeaWest WindPower Inc. and financed by PPM Energy, will help SDG&E fulfill a 20 percent renewable energy procurement goal by 2017. Opposition to the wind farm from local residents may put a halt to the future construction of wind farms in the area. Evelyn Carpenter of SeaWest WindPower, said, "There's probably a lot of opportunities for repowering [replacing old turbines with newer turbines]...But not for new projects." (Source: *The Press-Enterprise* (Riverside, California), March 11, 2004)

The California Independent System Operator (CAL-ISO) responded to questions after a blackout that affected 70,000 customers in early March, affirming that the addition of over 9,000 MW of power online since the crisis in 2000-2001 will satisfy energy demand this summer. While generation has increased, the transmission grid has not been upgraded to meet the generation capacity. CAL-ISO predicts that heavier summer demand will put pressure on the electric grid but industry is anticipating this demand and has backup measures in place. (Source: *San Gabriel Valley Tribune*, March 11, 2004)

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PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

No news of interest to report.

ATLANTA REGION

No news of interest to report.

BOSTON REGION

Mogeghan Sun, a large casino in Uncasville, Connecticut, **is adding a fuel cell powered GEM (Global Electric Motorcars) with zero emissions for use as a passenger and light weight transportation vehicle.** Mogeghan Sun also hosts an onsite 500 kW fuel cell power plant and a new regenerative fuel cell system. The projects are a result of collaboration between Mogeghan Sun, the U.S. Department of Energy, Worcester Polytechnic Institute (WPI), W.L. GORE, the Center for Technology Commercialization (CTC), and the Foundation for Advancing Science and Technology Education (FASTec). (Source: *SolarAccess.Com*, March 17, 2004)

CHICAGO REGION

No news of interest to report.

DENVER REGION

No news of interest to report.

PHILADELPHIA REGION

No news of interest to report.

SEATTLE REGION

Borrego Solar recently completed the installation of a 37 kW system for the Hacienda Mobile Home Park of Barstow, California, located in the Mojave Desert. The new system will provide power for 13 homes. Sharon Thurston, owner of the mobile home park, explained the project by saying: “We get over 260 days of sunshine here a year, which is well over the national average - so solar just made sense.” The City of Barstow amended local zoning laws in order to allow the city's first solar electric installation. The new solar system provides significant savings through the use of a Federal tax credit of \$13,900, a California state tax credit of \$18,700, depreciated savings of \$57,000, and a state rebate of over \$138,000. (Source: *SolarAccess.Com*, March 12, 2004)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Appendix C](#) – New Technologies
- Refer to [Appendix D](#) – Calendar of Upcoming Events.



Don't forget to register for this year's annual workshop and exposition – *Energy 2004*. For more information, visit the FEMP web site at www.energy2004.ee.doe.gov.

MULTIPLE REGIONS

The Department of Energy's Federal Energy Management Program will offer a Distributed Generation and Combined Heat and Power Online Workshop on April 20. The workshop will provide Federal Government participants and associated organizations with an introduction to distributed energy (DE). Topics covered include advantages of using CHP, an overview on distributed energy resource technology, energy-savings and economic benefits, energy security, financing distributed energy projects in Federal facilities, utility and interconnection siting issues and Federal case studies. For more information and to register online, visit www.eere.energy.gov/femp/technologies/derchp_training.cfm.

The Association of Energy Engineers will offer two online seminars: Microturbines on May 13 and Fuel Cells on May 14. The seminar on microturbines covers technology reviews, major vendors, key products, installation examples, optimal applications, assessments of project economics, and commercial, institutional and industrial uses. The seminar on fuel cells provides an overview of fuel cell technologies

available to commercial, industrial and institutional users. The seminar also covers optimal applications, economic assessments, and ongoing development programs on fuel cells. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

ATLANTA REGION

The Department of Energy and the Environmental Protection Agency are holding its “Labs21 High Performance, Low Energy Design Workshop” in Greensboro, North Carolina, on April 28. The workshop series covers strategies for designing and constructing sustainable laboratories in new and existing facilities including energy efficient design processes. For more information on the entire series, including dates and locations, visit www.epa.gov/labs21century/training/designcourse/greensboro.htm.

BOSTON REGION

The U.S. Department of Energy’s Federal Energy Management Program and KeySpan Energy are hosting the “Spring 2004 Federal Utility Partnership Working Group (FUPWG)” meeting in Brooklyn, New York, on April 22-23. Some of the topics to be addressed include: agency energy plan updates, update on Federal legislation, combined heat and power/interconnection, Federal renewable power procurement, discussion of emerging/niche technologies, emissions trading opportunities, and Federal success stories. To view the preliminary meeting agenda, hotel information, and to register, visit www.energetics.com/fupwg04.html. The purpose of the working group is to identify how Federal agencies can work with their servicing utilities to help Federal facilities achieve mandated energy savings goals as established by the *Energy Policy Act* and associated executive orders.

The U.S. Department of Energy in concert with the Department of Defense and the General Services Administration are sponsoring *Energy 2004* in Rochester, New York, on August 8-11. *Energy 2004* offers a myriad of networking opportunities with energy professionals from throughout the U.S. and provides information on the latest strategies and products for saving energy in buildings. One of the many features of the conference will include three optional tours on August 8: *Rochester Wind, Co-Gen and Airport tour*; *Niagara Power Project and Niagara Falls tour*; and *Dunkirk Biomass Plant and Crop Field tour*. The *Rochester Wind, Co-Gen and Airport tour* will involve a site visit to Harbec Plastics Inc.’s facility in Ontario New York, and the Rochester International Airport. At Harbec Plastics Inc., attendees will view a 4-kW Hydrogenics electrolyzer, a microturbine combined heat and power plant, a green vehicle fleet, and a new cooling pond. At Rochester International Airport attendees will visit the combined heat and power cogeneration plant. The *Niagara Power Project and Niagara Falls tour* will feature a tour of the facility’s electric generating facility. The *Dunkirk Biomass Plant and Crop Field tour* will showcase nearby willow fields and the biomass plant at Dunkirk’s processing facility. For more information on the tours, visit www.energy2004.ee.doe.gov/tours.htm.

CHICAGO REGION

The Department of Energy and the Environmental Protection Agency are holding the “Labs21 High Performance, Low Energy Design Workshop” in Madison, Wisconsin, on March 31. The workshop series covers strategies for designing and constructing sustainable laboratories in new and existing facilities including energy efficient design processes. For more information, visit www.epa.gov/labs21century/training/designcourse/madison.htm.

DENVER REGION

The Department of Energy and the Environmental Protection Agency are holding the “Labs21 High Performance, Low Energy Design Workshop” in Dallas, Texas, on April 21. The workshop series covers strategies for designing and constructing sustainable laboratories in new and existing facilities including energy efficient design processes. For more information, visit www.epa.gov/labs21century/training/designcourse/dallas.htm.

The Colorado Renewable Energy Society (CRES) is sponsoring the 7th Annual CRES Renewable Energy Conference in Denver, Colorado, on June 25-27. The conference will provide networking opportunities for renewable energy professionals, energy efficiency representatives, policy makers, and other interested parties. Sessions and workshops for home owners, local leaders and renewable energy and energy efficiency experts will be provided. For more information, visit www.cres-energy.org/conference/index.html.

PHILADELPHIA REGION

The Department of Energy, GE Wind Energy, Pennsylvania Department of Environmental Protection, and a number of other organizations are co-sponsoring Clean Energy Expo in Pennsylvania, on April 2-3. The event will cover four energy themes clean energy basics, environment and natural resources, green buildings and construction, and clean power and transportation. For more information, visit www.wppsef.org/cee/about.html.

The Department of Energy and the Environmental Protection Agency are holding the “Labs21 High Performance, Low Energy Design Workshop” in Morris Plains, New Jersey, on April 15. The workshop series covers strategies for designing and constructing sustainable laboratories in new and existing facilities including energy efficient design processes. For more information, visit www.epa.gov/labs21century/training/designcourse/morrisplains.htm.

The Department of Energy’s Philadelphia Regional Office is sponsoring, “Technical and Financial Assistance to Improve the Energy Efficiency of Federal Facilities” in Washington D.C., on April 27. The focus of the free workshop is to provide Federal officials with tools to design, finance, implement, and manage Federal buildings and operations by implementing Energy Savings Performance Contracts. To register, visit <http://fempcentral.com/workshops/registration.ws>

The Department of Energy’s Federal Energy Management Program is holding a course titled, Advanced Facility Energy Decision System in Norfolk, Virginia, on April 28-29. Participants will learn to use Windows software tool FEDS 5.0, to survey and analyze optimum energy improvements and to list potential life-cycle cost effective energy projects for buildings. For more information, visit www.eere.energy.gov/femp/newsevents/fullevent.cfm?calendarID=156&c=1.

The Department of Energy’s Federal Energy Management Program is holding a course titled, Implementing Renewable Energy Projects in Annapolis, Maryland, on July 7-8. The two-day course will cover up-to-date information on renewable energy technologies available for installation at facilities including: photovoltaic systems, wind systems, solar preheating systems, solar water-heating systems, geothermal heat pump systems, and biomass/biofuels. To register, refer to <http://fempcentral.com/workshops/registration.ws>.

SEATTLE REGION

The Department of Energy’s Federal Energy Management Program is sponsoring a training course titled, Federal Renewable Energy in Seattle, Washington, on April 29. The course will cover options for pursuing energy projects and renewable power purchases for agencies to achieve the 2.5 percent goal of acquiring electricity from renewable resources. For more information, visit www.eere.energy.gov/femp/newsevents/fullevent.cfm?calendarID=221&c=2.

The Department of Energy’s Federal Energy Management Program is holding a workshop titled, Introduction to ESPC in Phoenix, Arizona, on May 4-5. The workshop will cover strategies to implement energy conservation projects through Super Energy Savings Performance Contracting. For more information, visit www.eere.energy.gov/femp/newsevents/fullevent.cfm?calendarID=152&c=2.

The Department of Energy’s Federal Energy Management Program is holding a course titled, Measurement & Verification (M&V) for Super ESPC Projects in Phoenix, Arizona on May 5. The course will cover five topics: why you need M&V, meeting Super ESPC M&V requirements, protecting

your investments, developing a plan that meets your needs, and evaluating plans and reports. For more information, visit www.eere.energy.gov/femp/newsevents/fullevent.cfm?calendarID=206&c=2.

The Department of Energy and the Environmental Protection Agency are holding the “Labs21 High Performance, Low Energy Design Workshop” in Portland, Oregon, on May 6. The workshop series covers strategies for designing and constructing sustainable laboratories in new and existing facilities including energy efficient design processes. For more information, visit www.epa.gov/labs21century/training/designcourse/portland.htm.

The Department of Energy’s Federal Energy Management Program is holding a course titled, Implementing Renewable Energy Projects in San Francisco, California, on May 18-19. The two-day course will cover up-to-date information on renewable energy technologies available for installation at facilities including: photovoltaic systems, wind systems, solar preheating systems, solar water-heating systems, geothermal heat pump systems, and biomass/biofuels. To register, refer to <http://fempcentral.com/workshops/registration.ws>.

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STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

***Information Technology for Energy Managers*, Association of Energy Engineers, February 2004**

This reference book addresses concepts dealing with relevant energy and facility information technology. The authors concentrate on networking, facility operation databases, data sharing using the web, and TCP/IP communications protocols. For more information, visit www.aeecenter.org/books.

***Alternate Energy: Assessment and Implementation Reference Book*, Association of Energy Engineers, February 2004**

The book covers emerging energy technologies, including alternative or non-conventional technologies. The reference document focuses on the impacts of these energy technologies, and the technical, economical, and policy issues that will affect the integration of these technologies into the marketplace. For more information, visit www.aeecenter.org/books.

SOLAR AND RENEWABLE ENERGY

***Clean Energy Trends 2004*, Clean Edge, 2004**

The report suggests that by 2013, investment in the renewable industry could grow to \$92 billion. The authors cite current investment trends and the use of solar, wind, and geothermal as compared to fossil fuels. Also included in the report are factors contributing to increased renewable energy use and ways in which utilities are using renewable energy to hedge prices for their customers. To access the full report at no cost, visit www.cleandedge.com/reports-trends2004.php.

***Renewables Work: Job Growth from Renewable Energy Development in the Mid-Atlantic*, Maryland Public Interest Research Group, March 2004**

The report reveals that procuring renewable power, such as wind, rather than power generated by natural gas, has the potential to create more than twice as many jobs in the Mid-Atlantic region. Based on the premise that electricity use by consumers in the Mid-Atlantic region will increase by 20 percent over the

next ten years, data indicates that the region could potentially generate over 52 million megawatts of wind generated capacity per year, which is 17 percent of current electricity demand. Gigi Kellett of MaryPIRG said, “At a time when the state is scrambling for ways to bolster the state’s business climate, promoting renewable energy is an easy choice – more renewable energy equals more jobs for our state and, ultimately lower and more stable energy bills for consumers and businesses.”

UTILITY-RELATED ISSUES

Utility Green Pricing Programs: A Statistical Analysis of Program Effectiveness, Lawrence Berkeley National Laboratory and National Renewable Energy Laboratory, February 2004

The authors of this new report suggest ways in which utilities can increase customer participation in their green pricing programs as well as increasing the amount of renewable energy purchased by residential and non-residential program participants. The authors collected data through a survey of 66 green pricing programs conducted in 2003. An assessment of the data identified several trends, including 1) the longer the green pricing program is offered, the more customers will be inclined to participate and 2) higher purchase thresholds for residential customers will have higher levels of customer participation. To view the report, visit www.nrel.gov/docs/fy04osti/35609.pdf.

FEDERAL FACILITY

No information of interest to FEMP.

MISCELLANEOUS

Handbook of Facility Assessment, Association of Energy Engineers, February 2004

The reference guide provides strategies for facility and maintenance managers on how to rate the condition of existing equipment and components, effectively assess options, and limit costs. For more information, visit www.aeecenter.org/books.

Defense Infrastructure: Long-term Challenges in Managing the Military Construction Program, General Accounting Office (GAO), February 2004

In response to a request from the Ranking Minority Leader of the Senate Subcommittee on Military Construction, GAO evaluated the Department of Defense’s Office of the Secretary of Defense’s (OSD) management of the military construction program. GAO was asked to report on steps taken by OSD to enhance program management, the process for prioritizing and re-sourcing military construction, and the pros and cons of increasing funding allocations for constructing and repairing DOD facilities. GAO reviewed OSD’s strategic plan, standard practices through selected management tools, and key financial objectives for the services to improve the condition of their facilities. As a result of its review, GAO states that, “GAO recommends that OSD (1) complete the management tools for standardizing construction practices and costs, (2) reevaluate the time frames for completing the key objectives, and (3) develop a mechanism for periodically reassessing military construction priorities for facility categories that fall outside DOD’s specific areas of emphasis.” To view the report, go to www.gao.gov. Report number is GAO-04-288.

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APPENDIX A

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
March 30 – Subcommittee on Defense <i>(NEW)</i>	Jerry Lewis (R/CA)	Hearing – FY 2005 Budget Request for the Air Force	Thomas Fargo, U.S. Navy Leon Laporte, U.S. Army	10:00 AM Room 2212 Rayburn Office Building
March 31 – Subcommittee on Veterans Affairs and Housing and Urban Development, and Independent Agencies <i>(NEW)</i>	James Walsh (R/NY)	Hearing – FY 2005 Budget Request for the Department of Veterans Affairs	TBA	1:00 p.m. Room 2359 Rayburn Office Building
March 31 – Subcommittee on Homeland Security <i>(NEW)</i>	Harold Rogers (R/KY)	Hearing – FY Budget Request for the Coast Guard	Thomas Collins, Coast Guard	10:00 a.m. Room 2358 Rayburn Office Building

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
April 1 – Committee on Energy and Commerce	Joe Barton (R/TX)	Hearing – FY 2005 Budget Priorities for the Department of Energy	Secretary of Energy Spencer Abraham	9:30 a.m. Room 2123 Rayburn Office Building

SENATE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
March 30 – Subcommittee on Military Construction <i>(NEW)</i>	Kay Bailey Hutchison (R/TX)	Hearing – FY 2005 Budget Request for Defense-wide and Air Force military construction programs	TBA	10 a.m. Room 138 Dirksen Office Building

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
<i>April 1 –</i> Subcommittee on Readiness and Management Support (Committee on Armed Services) <i>(NEW)</i>	John Ensign (R/NV)	<i>Hearing –</i> FY 2005 Defense Authorization Request (focus: military installation programs)	Raymond DuBois, Jr., Deputy Under Secretary of Defense for Installations and Environment Larry Lust, Assistant Chief of Staff for Installation Management, United States Army Christopher Weaver, U.S. Navy Installations Willie Williams, Assistant Deputy Commandant, Installations and Logistics (Facilities), Commandant of the Marine Corps Dean Fox, Air Force Civil Engineer	2:30 p.m. Room 232A Russell Office Building
<i>April 27 –</i> Committee on Energy and Natural Resources <i>(NEW)</i>	Pete Domenici (R/NM)	<i>Hearing –</i> Oversight hearing on sustainable, low emission electricity generation	TBA	10:00 a.m. Room 366 Dirksen Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

Date/Action	Issue/Bill	Time/Location
<i>Week of March 29 –</i> House/Senate Conference Committee Negotiations <i>(NEW)</i>	<i>FY 2005 Budget Resolution</i>	TBA

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APPENDIX B

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

No legislation of interest to report.

SENATE

Number	Short title	Date	Sponsor	Status
S. 2236	<i>Electric Reliability Act of 2004</i>	3/25/04	Maria Cantwell (D/WA)	Placed on Senate Legislative Calendar No. 465
<p>Amends Part II of the <i>Federal Power Act</i> by adding the following provisions:</p> <p>FERC shall have jurisdiction over Electric Reliability Organization (ERO) to approve reliability standards and enforcing compliance. All users, owners and operators of the bulk-power system shall comply with reliability standards.</p> <p>EROs must have the ability to develop and enforce reliability standards for the bulk-power system; and establish rules that:</p> <ul style="list-style-type: none"> ➤ Assure its independence of the users and owners and operators of the bulk-power system, while assuring fair stakeholder representation in the selection of its directors and balanced decision making in any ERO committee or subordinate organizational structure; ➤ Allocate equitably reasonable dues, fees, and other charges among end users for all activities; ➤ Provide fair and impartial procedures for enforcement of reliability standards through the imposition of penalties in accordance with subsection (e) (including limitations on activities, functions, or operations, or other appropriate sanctions); ➤ Provide for reasonable notice and opportunity for public comment, due process, openness, and balance of interests in developing reliability standards and otherwise exercising its duties; and ➤ Provide for taking appropriate steps to gain recognition in Canada and Mexico. <p>ERO shall file each reliability standard or modification to a reliability standard that it proposes with FERC.</p> <p>FERC shall establish a regional advisory body to be composed of 1 member from each participating state in the region, to include representatives of agencies, states, and provinces outside the U.S. Regional advisory body may provide advice to the ERO or FERC regarding governance of an existing or proposed regional entity within the same region; whether a standard proposed to apply within the region is just, reasonable, not unduly discriminatory or preferential; and whether fees proposed to be assessed within the region are just, reasonable, and not unduly discriminatory or preferential.</p> <p>Provisions do not apply to Alaska or Hawaii.</p>				

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APPENDIX C – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
HVAC			
Robertshaw® 9800i Programmable Thermostats Series	Invensys, Climate Controls Americas	Series of three thermostats adjust indoor humidity levels manually and also automatically when coupled to optional outdoor sensor. Eliminates need for separate wall or furnace mounted humidistat.	www.robertshaw.com
SC6 Chiller Controller	Berg Chilling Systems Inc.	Provides additional benefits to the operator and reliable and consistent temperature control. Requires minimum amount of input and provides maximum information on temperatures, alarm, and compressor status.	www.berg-group.com
Germicidal Air Filtration System for HVAC	StrionAir Inc.	High efficiency, low pressure filtration system easily retrofitted into any HVAC system at low operating costs. Provides a short payback period and enables facility managers reduced operating costs, protection of airborne threats, and a comfortable, productive work environment.	www.strionair.com
LIGHTING			
Ambient-direct Luminaire	Cooper Lighting	Energy-efficient direct-ambient luminaire, designed for high-end architectural spaces. Provides luminaire efficiency as high as 82%.	www.cooperlighting.com
DALI ROVR Ballasts	Advance Transformer Co.	Ballasts perform commands to lighting communicated through DALI protocols (e.g., turning lighting on or off, stepping up or down, dimming to minimum or maximum levels, and fading to specified level).	www.advancetransformer.com
Paleta	Lighting Systems	High efficiency with distribution reflector options and modular suspension points offer easy installation.	www.ltgsys.com
ENERGY MANAGEMENT TOOLS			
Entelligence™	EPCOR	On-line tool displays metered interval data on total energy usage, on-peak and off-peak usage, load factor, energy profiles for selected periods, load duration curves, and usage history.	www.epcor.ca

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
MISCELLANEOUS			
U12-006 Four Channel Indoor and U12-008 Four-Channel Outdoor/Industrial Data Loggers	Onset Computer Corp.	Accepts up to four external sensors for measuring AC current, 4-20 mA, DC voltage, temperature and carbon dioxide. Includes measurements for detecting variability in recorded data, high-speed data offload, and rugged enclosure. Can plot and analyze data using Greenline™ software (for Windows) or Hoboware™ software (for Macintosh).	www.onsetcomp.com
Fieldpack HS33K14G	Fieldpiece Instruments	Contains HS33, a digital multi-meter and other accessories. Fieldpack measures air temperature, relative humidity, wet bulb, dew point, carbon monoxide, AC current, gas pressure, static pressure, and microamps for diode circuits.	www.fieldpiece.com
Input/Output Module	Schneider Electric	Increases functionality of PowerLogic Power Meter 800. Easy installation and users able to oversee transformer temperatures, generator fuel levels, and equipment status.	www.schneider-electric.com
Libert NX UPS Mid-Size Platform	Emerson Network Power	Delivers centralized power protection for critical systems in server rooms, mid-sized data centers, and industrial plants. Available in 10-30-kVA sizes in four modules featuring an online IGBT-based double-conversion topology to avoid power disturbances including noise, spikes, waveform distortions, surges, sags, and frequency variations.	www.gotoemerson.com
Gen Set	Caterpillar	Provides 20-kW standby and 18-kW prime power at 60Hz. Powered by EPA-compliant Perkins engine.	www.caterpillar.com

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APPENDIX D

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **green**.

FEMP Training Calendar: www.eere.energy.gov/femp/newsevents/events.cfm

GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
April 20, 2004	Online Distribution Generation and Combined Heat and Power Workshop	Department of Energy's Federal Energy Management Program
May 13, 2004	Microturbines Teleconferencing Session	Association of Energy Engineers
May 14, 2004	Fuel Cells Teleconferencing Session	Association of Energy Engineers

ATLANTA REGION

DATE	EVENT	SPONSOR
April 14, 2004	Funding Green Buildings: Sources & Strategies Atlanta, Georgia	FundingGreenBuildings.com & Georgia Tech University
April 28, 2004	Labs21 High Performance, Low-Energy Design Course Greensboro, NC	Department of Energy and the Environmental Protection Agency
May 2-5, 2004	10th Annual National Clean Cities Conference Fort Lauderdale, Florida	Department of Energy
September 16, 2004	Anatomy of a Green Lease Workshop Atlanta, GA	The Corporate Realty, Design, & Management Institute

BOSTON REGION

DATE	EVENT	SPONSOR
April 22-23, 2004	Federal Utility Partnership Working Group Meeting: Bridging the Energy Gap Brooklyn, NY	Department of Energy's Federal Energy Management Program
July 20-22, 2004	FedFleet 2004: The Road to the Future is Now New York, NY	General Services Administration and the Federal Fleet Policy Council

DATE	EVENT	SPONSOR
August 8-11, 2004	Energy 2004	Department of Energy, Department of Defense, and General Services Administration
September 9, 2004	Anatomy of a Green Lease Workshop Boston, MA	The Corporate Realty, Design, & Management Institute

CHICAGO REGION

DATE	EVENT	SPONSOR
March 31, 2004	Labs21 High Performance, Low-Energy Design Course Madison, WI	Department of Energy and the Environmental Protection Agency
April 12-13, 2004	EnvironDesign®8 Minneapolis, MN	Twin Cities of Minneapolis/St. Paul
April 29, 2004	Anatomy of a Green Lease Workshop Detroit, MI	The Corporate Realty, Design, & Management Institute
April 30, 2004	Anatomy of a Green Lease Workshop Cleveland, OH	The Corporate Realty, Design, & Management Institute
May 11-14, 2004	Energy Smart America 2004: Tools and Solutions for States and Communities Minneapolis, MN	Department of Energy
July 28, 2004	Anatomy of a Green Lease Workshop Minneapolis, MN	The Corporate Realty, Design, & Management Institute

DENVER REGION

DATE	EVENT	SPONSOR
April 14-16, 2004	North American Energy Summit Albuquerque, New Mexico	Western Governors' Association
April 21, 2004	Labs21 High Performance, Low-Energy Design Course Dallas, TX	Department of Energy and the Environmental Protection Agency
June 25-27, 2004	7th Annual Colorado Renewable Energy Society Renewable Energy Conference Denver, CO	Colorado Renewable Energy Society
July 26, 2004	Anatomy of a Green Lease Workshop Kansas City, MO	The Corporate Realty, Design, & Management Institute
August 28-September 3, 2004	World Renewable Energy Congress VIII and Expo Denver, CO	Department of Energy, American Council on Renewable Energy, Xcel Energy, World Renewable Energy Network and others

DATE	EVENT	SPONSOR
September 22-24, 2004	27 th World Energy Engineering Congress & High Performance Facilities Expo Austin, Texas	Association of Energy Engineers and Austin Energy
October 5, 2004	Anatomy of a Green Lease Workshop Houston, TX	The Corporate Realty, Design, & Management Institute
October 27, 2004	Anatomy of a Green Lease Workshop Denver, CO	The Corporate Realty, Design, & Management Institute

PHILADELPHIA REGION

DATE	EVENT	SPONSOR
April 1, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Charleston, WV	DOE's Philadelphia Regional Office
April 2-3, 2004	Clean Energy Expo Pennsylvania, PA	Department of Energy, GE Wind Energy, Pennsylvania Sustainable Energy Fund, and many others.
April 15, 2004	Labs21 High Performance, Low-Energy Design Course Morris Plains, NJ	Department of Energy and the Environmental Protection Agency
April 27, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Washington, D.C.	Department of Energy's Philadelphia Regional Office
April 28-29, 2004	Advanced Facility Energy Decision Systems Norfolk, VA	Department of Energy's Federal Energy Management Program
May 10-12, 2004	5 th Annual USCHPA Policy Day Conference Washington, D.C.	U.S. Combined Heat and Power Association (U.S. CHPA)
June 27-30, 2004	2004 Future Car Congress Washington, D.C.	Department of Energy and United States Council for Automotive Research
July 7-8	Implementing Renewable Energy Projects Annapolis, MD	Department of Energy's Federal Energy Management Program
September 13, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute
September 15, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute

SEATTLE REGION

DATE	EVENT	SPONSOR
April 5-9, 2004	Energy OutWest Conference Sacramento, CA	Department of Energy and the states of Alaska, Idaho, Oregon, Washington, California, Arizona, and Nevada
April 26-30, 2004	Hydrogen: A Clean Energy Choice Los Angeles, CA	National Hydrogen Association & Hydrogen Expo USA
April 29, 2004	Federal Renewable Energy Seattle, WA	Department of Energy's Federal Energy Management Program
May 4-5, 2004	Introduction to ESPC Phoenix, AZ	Department of Energy's Federal Energy Management Program
May 5, 2004	Measurement and Verification for Super ESPC Projects Phoenix, AZ	Department of Energy's Federal Energy Management Program
May 6, 2004	Labs21 High Performance, Low-Energy Design Course Portland, OR	Department of Energy and the Environmental Protection Agency
May 18-19, 2004	Implementing Renewable Energy Projects San Francisco, CA	Department of Energy and the Environmental Protection Agency
June 3-4, 2004	Greening Rooftops for Sustainable Communities Portland, OR	City of Portland, Oregon and Green Roofs for Healthy Cities
June 3, 2004	Anatomy of a Green Lease Workshop Seattle, WA	The Corporate Realty, Design, & Management Institute
July 10-14, 2004	SOLAR 2004 Portland, OR	Department of Energy, Energy Trust of Oregon, and Eugene Water and Electric Board
October 7, 2004	Anatomy of a Green Lease Workshop Phoenix, AZ	The Corporate Realty, Design, & Management Institute
October 11, 2004	Anatomy of a Green Lease Workshop San Francisco, CA	The Corporate Realty, Design, & Management Institute
October 14, 2004	Anatomy of a Green Lease Workshop Los Angeles, CA	The Corporate Realty, Design, & Management Institute

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